Index of Claims

| <br>Application No. | Applicant(s)   |
|---------------------|----------------|
| 09/910,085          | HIGGINS ET AL. |
| Examiner            | Art Unit       |
| Cheryl Juska        | 1771           |

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected

I Interference

A Appeal
O Objected

| Cla                    | aim      |                               |          | [        | Cla               | aim    | Date          |                |       |          |                |              |                    |                                     | С                 | aim       | Date          |          |          |          |                          |              |               |                         |          |          |                |          |          |           |
|------------------------|----------|-------------------------------|----------|----------|-------------------|--------|---------------|----------------|-------|----------|----------------|--------------|--------------------|-------------------------------------|-------------------|-----------|---------------|----------|----------|----------|--------------------------|--------------|---------------|-------------------------|----------|----------|----------------|----------|----------|-----------|
| <u> </u>               |          | Date                          |          |          |                   |        |               | -              |       |          |                |              |                    |                                     |                   |           |               |          | 1        |          |                          |              |               |                         |          |          |                |          | ᆌ        |           |
| 20                     | Original | 4/18/04                       |          |          |                   | -      |               |                | च     | Original | 4/18/04        | -            |                    | 1                                   |                   |           |               |          | 1        | ল        | Original                 | 4/18/04      |               |                         |          |          |                |          | 1        | -         |
| Final                  | Ē        | 18                            |          |          |                   |        |               |                | Final | rigi     | 180            |              |                    |                                     |                   |           |               |          |          | Final    | <u>.</u> E               | 118          |               |                         |          |          |                |          |          | -         |
| -                      | ō        | 4                             |          |          |                   |        |               |                | _     | Ō        | 4              |              |                    |                                     |                   |           |               |          |          | _        | ΙŌ                       | 4            |               |                         | - [      |          |                |          |          |           |
| <u> </u>               | 1        | <b>/</b>                      | +        | _        | +                 | +      | +             |                |       | 51       |                |              | ┢                  | ╌                                   |                   | +         | _             | +        | 1        |          | 401                      | ╁            | $\dashv$      | +                       |          | -+       | +              | +        | +        | ᅦ         |
|                        | 2        | -                             |          | _        | +                 |        | +             |                |       | 5Z       | ۲              |              | ╫                  | -                                   | H                 | $\dashv$  | +             | +        | ł        |          | 102                      | -            | $\dashv$      |                         | $\dashv$ | $\dashv$ | $\dashv$       | -        | +        | $\dashv$  |
| <u> </u>               |          | $\mathcal{X}$                 |          | _        | ++                |        | +-            |                |       | 72       |                |              | ├                  | ├                                   | H                 | +         | -             | +        | 1        | <u> </u> | 103                      |              |               | +                       | -+       | $\dashv$ | +              | +        | +        | 긤         |
| ├—                     | 3        | $\mathbf{Y}$                  |          | _        | +                 |        | +             |                |       | 58       | <u> </u>       |              | ├-                 |                                     | $\vdash$          | +         | -             | +        | -        |          |                          | $\leq$       | $\vdash$      | $\dashv$                |          |          | $\dashv$       | +        | +        | ᅱ         |
|                        | 4        | 4\                            | -        |          | +                 |        | +-            |                |       | 54       | V              | <b>.</b>     | ļ                  |                                     |                   | _         | _             | +        |          | <u> </u> | 104                      | <u> </u>     | $\dashv$      | _                       | $\dashv$ | -+       |                | -        | +        | 4         |
|                        | 5        | $\bot$                        |          |          | $\bot$            | _ _    | $\vdash$      |                |       | 55       | <u> </u>       | _            | ļ                  |                                     | $\vdash$          | _         | _             | +        |          | <u> </u> | 105                      | <b>V</b>     | $\rightarrow$ | 4                       | $\dashv$ |          |                | -        | +        | 4         |
|                        | 6        | 4                             | _        |          | -                 |        | Ш             |                |       | 56       | <u> </u>       |              | <u> </u>           | _                                   | Ш                 |           |               | <u> </u> |          |          | 106                      | ~            |               |                         | _        | $\dashv$ | _              | _        | $\dashv$ | 4         |
|                        | 7        | $\perp \downarrow \downarrow$ | 1        |          | $\perp \perp$     |        | 1             |                |       | 57       | ~              | 1_           |                    | <u> </u>                            |                   | _         |               |          |          |          | 107                      | _            |               |                         | 4        | _        | _              | _        |          | 4         |
|                        | 8        |                               |          |          | 11.               |        | $\perp \perp$ |                |       | 58       | 4              | _            |                    | <u> </u>                            |                   | _         |               |          | ]        |          | 198                      |              |               |                         |          | _        | _              |          | _ _      | _         |
|                        | 9        | 1                             |          |          |                   |        | Ш             |                |       | 59       | Ш              | L            | L                  |                                     |                   |           |               |          | ]        |          | 109                      | $\checkmark$ |               |                         | _        | _        | _              |          |          | _         |
|                        | 10       | Ш                             |          |          |                   |        |               |                |       | 60       | Ш              |              | <u> </u>           |                                     |                   |           |               |          | ]        |          | 110                      | ~            |               |                         | $\Box$   | $\Box$   | $\Box$         |          | $\perp$  | ╝         |
|                        | 11       | 11                            |          |          |                   |        |               |                |       | 61       |                |              | ١.                 |                                     | ll                |           |               |          |          |          | 111                      | <b>/</b>     |               |                         |          |          |                |          |          |           |
|                        | 12       |                               |          |          |                   |        |               |                |       | 62       | П              |              |                    | ļ                                   |                   | $\Box$    |               |          |          |          | 112                      | ~            |               | $oldsymbol{\mathbb{J}}$ |          |          |                |          |          | _]        |
|                        | 13       |                               |          |          | 17                |        |               |                |       | 63       |                | Γ            |                    | <u> </u>                            |                   | $\top$    | T             |          | ]        |          | 113                      |              |               |                         | $\Box$   | $\Box$   | $\Box$         |          |          | 7         |
|                        | 14       |                               | $\top$   |          | 11                |        | 177           |                |       | 64       | П              |              |                    | Γ                                   |                   | $\neg$    | $\neg$        |          | 1        |          | 114                      | V            |               |                         | 寸        | $\neg$   | 寸              | $\neg$   | T        | ٦         |
|                        | 15       |                               | $\top$   |          | 11                | 7      | +             |                |       | 65       | Ħ              |              |                    | $\vdash$                            |                   |           |               |          | 1::::    |          | 118                      |              |               |                         | T        | ┪        | T              | T        |          | ٦         |
| $\vdash$               | 16       |                               | $\top$   | +        | ++                | _      | +-1           |                |       | 66       | Ħ              |              |                    |                                     | $\vdash$          | 十         | _             | +        | 1        |          | 118                      |              | $\Box$        | _                       |          | $\dashv$ | _              | $\top$   | $\top$   | ٦         |
|                        | 17       |                               | +        |          | ++                | +      | + -           | ::::: <b>:</b> |       | 67       | H              | T            |                    | $\vdash$                            | $\vdash$          | $\dashv$  | _             |          | 1        | -        | 117                      | П            | $\Box$        | $\dashv$                | -+       | $\dashv$ | $\dashv$       | $\top$   | $\top$   | ٦         |
| $\vdash$               | 18       | +                             | +        | -        | +                 |        | +-1           | ::::: <b>!</b> |       | 68       | H              | $\vdash$     | $\vdash$           | $\vdash$                            | $\vdash$          | +         | +-            | +        | 1        |          | 118                      | Н            | $\vdash$      | $\dashv$                | $\dashv$ | 十        | -+             | $\dashv$ | +        | $\dashv$  |
| $\vdash$               | 19       | <del>    -  </del>            | ╁        |          | ++                | +      | +             |                |       | 69       | ╫              |              | ├                  | $\vdash$                            | $\vdash$          | +         | +             | +        | ł        |          | 119                      | ~            |               | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$       | +        | +        | $\dashv$  |
| $\vdash$               |          | 1                             | +        | +        | +                 | +      | +             |                |       | 70       | +              |              |                    | ├—                                  | $\vdash$          | +         | +             | +        | 1        | -        | 120                      |              | $\dashv$      | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$       | +        |          | $\dashv$  |
| $\vdash$               | 20       |                               | +        | +        | +                 |        | +             |                |       |          | 1              | $\vdash$     | <del> </del>       | $\vdash$                            | $\vdash \vdash$   | +         | +             | +        | 1        | <u> </u> |                          | -            | -             | +                       | $\dashv$ | $\dashv$ | $\dashv$       | +        |          | $\dashv$  |
|                        | 21       | +                             | +        | +        | +                 |        | $\dashv$      |                |       | 71       | ╁              |              | <del> </del>       | <del> </del> —                      | $\vdash \vdash$   | +         | +             | +-       | 1        |          | 121                      | _            | $\vdash$      | +                       | $\dashv$ | $\dashv$ | $\dashv$       | +        | +        | $\dashv$  |
| <u> </u>               | 22       | +                             | +        | $\perp$  | ++                | _      | $\sqcup$      |                |       | 72       | ╀              | <del> </del> | ├                  | <u> </u>                            | $\vdash \vdash$   | +         | +             | +        |          |          | 122                      | ~            |               | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$       | +        | +        | 4         |
|                        | 23       | $\bot$                        | $\perp$  |          | $\perp \perp$     |        | $\sqcup$      |                |       | 73       | Ц.             | ļ            | <u> </u>           | <u> </u>                            | $\sqcup$          | _         | $\perp$       | 4        |          |          | #23<br>124               |              |               | _                       | _        | _        | _              | $\perp$  | 4        | 4         |
| $\square$              | 24       | $\bot\!\!\!\!\bot$            | $\sqcup$ | $\perp$  | +                 | _      | Ш             |                |       | 74       | Ц.             | <b> </b>     | <b> </b>           | <u> </u>                            | $\sqcup$          | $\dashv$  | $\bot$        | _        | 1        |          |                          |              |               | $\dashv$                | _        | $\dashv$ | _              | $\dashv$ | $\perp$  | 4         |
| igsquare               | 25       |                               |          |          | $\perp \perp$     |        | Ш             |                |       | 75       | Ш              | <u> </u>     | $oxed{oxed}$       |                                     |                   | _         |               |          |          |          | 125                      | $\perp$      | $\Box$        |                         |          |          |                | $\perp$  | $\perp$  | Ц         |
|                        | 26       |                               |          |          |                   |        | ot            |                |       | 76       | $\prod$        | L            | $oxedsymbol{oxed}$ | L                                   | $\Box$            | $\Box$    |               |          | ]        |          | 126                      |              |               |                         |          |          |                |          | $\perp$  |           |
|                        | 27       | $\prod$                       |          |          | $oxed{oxed}$      |        |               |                |       | 77       | $\prod$        | $L^{-}$      |                    | L                                   | ĹĴ                | T         |               | $\perp$  | J        |          | 127                      |              |               |                         |          |          |                | $\prod$  | $\perp$  |           |
|                        | 28       |                               |          |          |                   |        |               |                |       | 78       |                |              |                    |                                     |                   | $_{ m T}$ |               |          | ]        |          | 12/8                     |              |               | T                       |          | T        |                | T        |          | _[        |
|                        | 29       | 7                             | $\sqcap$ |          | $\top$            |        |               | ::::i          |       | 79       | Т              | П            |                    |                                     | П                 | $\dashv$  |               |          | 1        |          | 128<br>129<br>130        |              |               | T                       | 一        | 一        |                |          |          | ٦         |
|                        | 30       | 1                             | $\top$   |          | 1                 | $\top$ | $\top$        |                |       | 80       | 1              |              | 1                  |                                     |                   | $\top$    | $\neg \vdash$ |          | 1        |          | 130                      |              | $\Box$        | $\dashv$                | 寸        | $\dashv$ | $\dashv$       | $\top$   | T        | ٦         |
|                        | 31       |                               | $\top$   |          | 11                |        |               |                |       | 81       | I              |              |                    |                                     | П                 | $\top$    |               |          | 1        |          | 131                      |              | Ħ             | $\dashv$                | 寸        | T        | 寸              | 十        |          | ٦         |
| $\vdash \lnot$         | 32       | 1                             | $\top$   |          | +                 |        | $\sqcap$      |                |       | 82       | T              | Т            |                    | Г                                   | $\Box$            | $\top$    |               | 1        | 1        |          | 132                      |              | -             | $\dashv$                | 寸        | 一        | $\dashv$       | $\top$   | $\top$   | ٦         |
| $\vdash \vdash \vdash$ | 33       |                               | +        |          | +                 | _      | $\vdash$      | :::::          |       | 83       | 1              | $\vdash$     | $\vdash$           |                                     | $\vdash$          | +         | +             | +        | 1        | <b></b>  | 131                      |              | $\dashv$      | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$       | +        | $\dashv$ | -         |
| $\vdash$               | 34       | +                             | +        |          | ++                |        | +             | :::: <b> </b>  |       | 84       | 1              |              |                    |                                     | $\vdash$          | +         | +             | +        | 1        |          | 134                      |              | $\dashv$      | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$       | +        | +        | $\exists$ |
| $\vdash$               | 35       | -                             | +-       | -+       | ++                | +-     | $\vdash$      |                |       | 85       | 1              | $\vdash$     |                    |                                     | $\vdash$          | +         | +             | +        | 1        | -        | 138<br>134<br>135<br>136 | -            | -             | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$       | +        | +        | $\dashv$  |
|                        | 36       | +                             | +        | +        | ++                | +      | +             | : ::  <br>     |       | 280      |                |              | H                  |                                     | $\vdash$          | +         | +             | +        | 1        |          | 135                      |              | $\dashv$      | +                       | $\dashv$ | $\dashv$ | $\dashv$       | +        | +        | $\dashv$  |
| $\vdash \vdash \vdash$ | 37       | ++-                           | +        | +        | ++                | +      | $\vdash$      |                |       | 27       | $\vdash$       |              |                    |                                     |                   |           |               | +        | 1        |          | 137                      | H            | $\dashv$      | $\dashv$                | $\dashv$ | $\dashv$ |                | -+       |          | ᅥ         |
| $\vdash\vdash\vdash$   |          |                               |          |          | +                 |        | +             |                |       |          |                | -            | -                  | <del> </del>                        | $\vdash$          | $\dashv$  |               | +        | 1        | -        |                          | $\vdash$     | $\dashv$      | +                       | $\dashv$ | $\dashv$ | $\dashv$       |          |          | 4         |
| $\vdash\vdash\vdash$   | 38       | +                             | +        |          | ++                |        | $\vdash$      |                |       | 286      | ر_             | <u> </u>     | $\vdash$           |                                     |                   |           | +             | +-       | 1        |          | 138                      | $\vdash$     | $\dashv$      | $\dashv$                | $\dashv$ | -        |                |          |          | 4         |
|                        | 39       | +                             |          |          |                   |        | $\vdash$      | <b>.</b>       |       | 89       | V              | _            |                    | _                                   | $\vdash$          | +         | +             | +        |          |          | 139                      | $\vdash$     | $\dashv$      | +                       | $\dashv$ | $\dashv$ | _              |          |          | 4         |
| <u> </u>               | 40       | $+\!\!\!+\!\!\!\!+$           | 4-4      |          | ++                |        | $\sqcup$      |                |       |          | 4              | _            | _                  | <u> </u>                            | $\sqcup$          | $\dashv$  | $\bot$        | $\bot$   |          |          | 140                      |              | $\perp$       | $\dashv$                | _        | _        | _              | _        | $\perp$  | 4         |
| igsqcut                | 41       | 41                            | Ш        | $\perp$  | +                 |        | Ш             |                |       | 91       | Ц              |              | L                  | L                                   |                   |           |               | _        | Į        |          | 141<br>142               |              | Ц             | $\dashv$                |          | _        | $\dashv$       |          | 1        | _         |
|                        | 42       | $\perp \!\!\! \perp$          | 1_       |          | 11                |        | Ш             |                |       | 92       | Ш              |              | _                  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш                 | $\perp$   | $\perp$       | 1        |          |          | 142                      | L            | $\perp$       | _                       | _        | _        |                | $\perp$  | $\perp$  |           |
|                        | 43       | 41_                           |          |          | 11                |        | Ш             | L              |       | 93       | ot             |              |                    |                                     |                   |           | $\perp$       | $\perp$  |          |          | 143                      | L            | $\Box$        |                         |          |          |                |          | $\perp$  |           |
|                        | 44       |                               |          |          |                   |        | $oxed{oxed}$  | :::::[         |       | 94       | Ш              | L            |                    | L                                   |                   |           |               |          |          |          | 144                      |              |               |                         |          |          |                |          |          |           |
|                        | 45       | $oldsymbol{L}oldsymbol{L}$    |          |          | $oxed{\Box}$      |        |               |                |       | 95       | $\Box T$       |              |                    |                                     |                   |           |               |          |          |          | 145                      |              |               |                         |          |          | T              | T        |          | _1        |
|                        | 46       |                               |          |          |                   | T      |               |                |       | 96       | $\sqcap$       |              |                    | Г                                   | П                 | $\top$    |               |          | 1        |          | 146                      |              | $\Box$        |                         | T        | T        | 寸              | $\neg$   | _        | _         |
|                        | 47       |                               | T        |          |                   |        |               |                |       | 97       | 1              |              |                    |                                     |                   | _         |               | $\top$   | 1        |          | 147                      |              |               | $\dashv$                | $\neg$   | 寸        | 寸              | 7        | 7        | ٦         |
|                        | 48       | 1                             | +        | -        | $\dagger \dagger$ |        | $\Box$        | ŀ              |       | -00      | $  \uparrow  $ |              | $\vdash$           |                                     | $\vdash \uparrow$ | +         |               | +-       | 1,       |          | 148                      |              | -             | $\dashv$                | 寸        | 十        | $\neg \dagger$ | $\dashv$ | $\top$   | ┪         |
|                        | 49       | $\mathbf{V}_{-}$              | +        | $\dashv$ | 1-1               | $\top$ | $\Box$        | ŀ              |       | 99       | V              | ,            |                    |                                     | $\forall$         | +         | +             | +        | <b> </b> | -        | 149                      |              | $\dashv$      | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | +        | ᅦ         |
| -                      |          | <b>y</b> -                    | +-       | +        | +                 |        | +             | ŀ              |       | 100      | V              |              | Н                  |                                     | $\vdash$          | +         | +             | +        | 1        |          | 150                      |              | $\dashv$      | +                       | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | +        | $\dashv$  |
| LJ                     | - 55     |                               |          |          |                   |        |               | ::::L          |       | 100      | <u>v</u>       |              |                    | Ц.                                  |                   |           |               | _L       | J::::::  | <u> </u> | 130                      | Ц            |               | 1_                      | !        |          |                |          |          | ┙         |